

ABSTRACT

Backup connection information table 151 having a data of a backup connection included in an alternative route is stored in a storage unit 15 of a network management system

5 1. On receiving failure occurrence notice of currently-used path, management table operating unit 13 creates based on backup connection information 151 an alternative route management table 153 having a data of backup connection included in the alternative route

10 corresponding to failed currently-used path and registers the alternative route management table 153 in the storage unit 15. On receiving creation notice of a backup connection included in the alternative route, failure recovery determining unit 14 sets a setting status of the

15 backup connection in the alternative route management table 153 to a setting completion and when all the setting status of backup connections included in the alternative route become the setting completion, determines a recovery of failed currently-used path has completed.